

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Fotia Alea 2.K

Revision date: 01.06.2019

Product code: 10000sp1

Page 1 of 9

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Jokisch Fotia Alea 2.K

Further trade names

Old product name: Jokisch LB 100 Flüssig 2-Kammer Spraydose

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Parting agent.

1.3. Details of the supplier of the safety data sheet

Company name:	Jokisch GmbH	
Street:	Industriestraße 5	
Place:	DE-33813 Oerlinghausen	
Telephone:	+49(0)5202/9734-0	Telefax: +49(0)5202/9734-49
e-mail:	info@jokisch-fluids.de	
e-mail (Contact person):	MSDS@jokisch-fluids.de	
Internet:	www.jokisch-fluids.de	

1.4. Emergency telephone number:

Giftnotruf Berlin: +49 (0) 30 / 30686 790

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Pressurised container: May burst if heated.

Harmful to aquatic life with long lasting effects.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Keep out of reach of children.

2.2. Label elements**Regulation (EC) No. 1272/2008****Signal word:** Warning**Hazard statements**

H229 Pressurised container: May burst if heated.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to hazardous waste.

Special labelling of certain mixtures

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Fotia Alea 2.K

Revision date: 01.06.2019

Product code: 10000sp1

Page 2 of 9

3.2. Mixtures**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
	Fettsäure, ethoxyliert			10 - < 15 %
102-71-6	Triethanolamin			5 - < 10 %
	203-049-8		01-2119486482-31	
57-55-6	1,2-Propylenglykol, 1,2-Propylenglykol			2.5 - < 5 %
	200-338-0		01-2119456809-23	
25265-71-8	Dipropylene glycol			0.1 - < 1 %
	246-770-3		01-2119456811-38	
055406-53-6	Iodpropinylbutylcarbamate			< 0.1 %
	259-627-5		01-2120762115-60	
	Acute Tox. 3, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, STOT RE 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H331 H302 H318 H317 H372 H400 H410			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air. Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water. Move victim to fresh air. Put victim at rest and keep warm.

In case of respiratory tract irritation, consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

5.2. Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Jokisch Fotia Alea 2.K

Revision date: 01.06.2019

Product code: 10000sp1

Page 3 of 9

5.3. Advice for firefighters

No special measures are necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin.

Avoid contact with eyes.

The following must be prevented: Inhalation

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Suitable material for taking up: Sand, Universal binding agent. Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

See section 8. refer to chapter 7. No further action is necessary.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas.

When using do not eat, drink or smoke.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Handle and open container with care.

Advice on protection against fire and explosion

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Further information on handling

High slip hazard because of leaking or spilled product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 5-40 °C

Do not store at temperatures over: 50 °C

Maximum period of storage (time): 2 Years

Official regulations for the storage of compressed gas containers are to be observed

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Do not store with strong oxidizing agents.

Further information on storage conditions

te regulations relating to storage premises apply to workshops where the product is handled.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Fotia Alea 2.K

Revision date: 01.06.2019

Product code: 10000sp1

Page 4 of 9

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL

8.2. Exposure controls**Protective and hygiene measures**

Change contaminated clothing. Wash hands before breaks and after work. @1501.B015713 Use personal protection equipment as per Directive 89/686/EEC.

Eye/face protection

Eye protection: not required.

Hand protection

Protect skin by using skin protective cream.

Wear protective gloves if advisable under safety aspects.

Wash hands before breaks and after work.

Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0,9-1 mm; CE-certified acc. EN 374 cat III)

Skin protection

Take off immediately all contaminated clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	red
Odour:	characteristic

Test method

pH-Value:	not determined
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Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	100 °C

Explosive properties

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Danger of bursting container. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Vapour pressure: (at 20 °C)	5000-8000 hPa
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Density (at 20 °C):	1,0 g/cm ³
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Viscosity / kinematic: (at 20 °C)	not determined	ASTM D 445
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Solvent content:	0%
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9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Fotia Alea 2.K

Revision date: 01.06.2019

Product code: 10000sp1

Page 5 of 9

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

@1001.B010008

10.4. Conditions to avoid

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Danger of bursting container.

10.5. Incompatible materials

The following must be prevented: Oxidizing agents, strong. acid.

10.6. Hazardous decomposition products

Hazardous decomposition products: none

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Fettsäure, ethoxyliert				
	oral	LD50 >2000 mg/kg	RAT		
102-71-6	Triethanolamin				
	oral	LD50 5530 mg/kg	RAT		
	dermal	LD50 > 2000 mg/kg	RABBIT		
57-55-6	1,2-Propylenglykol 1,2-Propylenglykol				
	oral	LD50 >22000 mg/kg	Ratte		
	dermal	LD50 >2001 mg/kg	Rabbit		
055406-53-6	Iodpropinylbutylcarbamat				
	oral	LD50 1056 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rabbit		
	inhalation (4 h) aerosol	LC50 0,763 mg/l	Rat		
	inhalation gas	ATE 700 ppm			

Irritation and corrosivity

Irritant effect on the skin: mild irritant.

Irritant effect on the eye: mild irritant.

Sensitising effects

none

Additional information on tests

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the single components.

The classification was undertaken in accordance with the calculation method governed by the Preparations

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Fotia Alea 2.K

Revision date: 01.06.2019

Product code: 10000sp1

Page 6 of 9

Directive (1999/45/EC).

SECTION 12: Ecological information**12.1. Toxicity**

According to the present state of knowledge negative ecological effects are not expected.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Fettsäure, ethoxyliert					
	Acute fish toxicity	LC50	86 mg/l	96 h	Goldorfe	DIN 38412 T.15
102-71-6	Triethanolamin					
	Acute fish toxicity	LC50	11800 mg/l	96 h	Pimephales Promelas	
	Acute crustacea toxicity	EC50	2038 mg/l	48 h	Großer Wasserfloh	24h
57-55-6	1,2-Propylenglykol 1,2-Propylenglykol					
	Acute fish toxicity	LC50	40613 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50	18800 mg/l	48 h	Mysidopsis bahia	
055406-53-6	Iodpropinylbutylcarbamate					
	Acute fish toxicity	LC50	0,067 mg/l	96 h		
	Acute algae toxicity	ErC50	0,022 mg/l	72 h	@1201.B120239	
	Acute crustacea toxicity	EC50	0,16 mg/l	48 h	Daphnia magna	
	Fish toxicity	NOEC	0,0084 mg/l	35 d	Pimephales promelas (fathead minnow)	
	Acute bacteria toxicity	(44 mg/l)		3 h	Toxicity to microorganisms	

12.2. Persistence and degradability

Product is biodegradable.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Fettsäure, ethoxyliert			
	OECD 301 E	95 %	28	
	leicht biologisch abbaubar			
57-55-6	1,2-Propylenglykol 1,2-Propylenglykol			
	CO ₂ -Entwicklung OECD 301 F	81 %		
055406-53-6	Iodpropinylbutylcarbamate			
	OECD 301 F	25 %	28	
	leicht			

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
102-71-6	Triethanolamin	-2,53
055406-53-6	Iodpropinylbutylcarbamate	2,81

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Fotia Alea 2.K

Revision date: 01.06.2019

Product code: 10000sp1

Page 7 of 9

12.4. Mobility in soil

in delivery condition: liquid

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

Avoid release to the environment. According to the present state of knowledge negative ecological effects are not expected.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.
Completely emptied packings can be re-cycled. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

120199 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; wastes not otherwise specified

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Water (with cleaning agent).

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.2



Classification code: 5A
Limited quantity: LQ2
Tunnel restriction code: E

Other applicable information (land transport)

Special provisions: 190 625
E0
Transport category: 3

Inland waterways transport (ADN)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.2

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Jokisch Fotia Alea 2.K

Revision date: 01.06.2019

Product code: 10000sp1

Page 8 of 9



Classification code: 5A
Limited quantity: LQ2

Other applicable information (inland waterways transport)

Special provisions: 190 327 625
E0

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2, see SP63

Limited quantity: See SP277
EmS: F-D, S-U

Other applicable information (marine transport)

Special provisions: 63, 190, 277, 327, 959
E0

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS, non-flammable
14.3. Transport hazard class(es): 2.2
14.4. Packing group: -
Hazard label: 2.2



Special Provisions: A98 A145 A167 A802
Limited quantity Passenger: 30 kg G
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

Other applicable information (air transport)

E0
: Y203

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Personal protection equipment: see section 8

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Fotia Alea 2.K

Revision date: 01.06.2019

Product code: 10000sp1

Page 9 of 9

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 0%

Additional information

@1501.B150213

National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Triethanolamin

SECTION 16: Other information**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Aerosol 3; H229	
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)